

**Stormwater Feature Classifications**

<b>Structure Classification</b>	<b>GPS Geometry</b>	<b>Feature</b>	<b>Other terms also frequently used (or components)</b>	<b>GPS Location</b>
Inlet	Point	INLET	Catch basin, curb inlet, drop inlet, yard inlet, headwall, storm inlet, grate, bar screen, throat, edge drain, pipe entrance, shoulder or slot inlet.	Not all inlets have a manhole access. Some are simply grate inlets. When manhole is present, GPS the throat edge aligned with pavement edge of catch basin presumably at same manhole elevation.
Manhole	Point	MANHOLE	Manhole, barrel (cylindrical part between cone and shelf).	At center of manhole lid/cover. Manholes may be associated with a catch basin (Inlet). Do not GPS the manhole, but rather GPS the catch basin as an "Inlet."
Pipe I/O	Point	PIPEIO	Endwall, wingwall, discharge point, splash block, flare, apron, endwall, spillout, outlet apron, outfall. (Note: headwall is often misapplied term and headwall should be for an inlet or entrance). Drain pipe, conduit, main, pipe culvert, collection line, reinforced concrete pipe, elliptical pipe, plastic pipe, vitrified clay pipe, corrugated metal pipe, corrugated steel pipe, cast iron pipe, and ductile steel pipe.	Typically the top of the wall or invert of the pipe is the GPS location. If no pipe present, then apron or spillway centroid elevation.
Culvert	Point	CLVTPT	Box culvert (single, double, triple,...), bridge (culverts > 100 sq ft).	Culvert invert (in and out), if different from measurement at Inlet or Outlet.
Pond	Point	POND	Retention pond, detention pond, retention basin, infiltration pond, storage basin, sediment trap, dewatering basin, wet pond, dam, reservoir.	Approximate point of pond centroid. Either hand placed or measured.
Control	Point	CNTRLDE	Control structure associated with pond.	Locate at center of inlet control device or outer edge if very large structure.
Geodetic	Point		NGS or Project Survey Monument.	On marker location.
Blind Connection	Point	BLINDCN	Underground connection between two or more pipes and no surface feature is visible.	Hand-placed.
Node	Point	NODE	Point with unknown origin or destination (final disposition when feature is not found).	Hand-placed.
Stub	Point	STUB	Point with unknown origin or destination (interim results from incomplete pipe connection).	Hand-placed.
Pipe	Line	PIPE	Pipes created from Inlet, Pipe I/O, and Manhole points.	None.
Culvert	Line	CULVERT	Box culvert (single, double, triple,...), bridge (culverts > 100 sq ft), created from connection of Culvert points.	None.

**GPS Location Data File Content**

<b>GPS Data Component</b>	<b>Units</b>	<b>Precision</b>	<b>Detailed Description</b>
Northing and Easting	Feet	Binary	Projected to Virginia State Plane Coordinates, North FIP Zone 4501, using NAD 1983 datum (adjusted for HARN 1991), in US Survey feet.
Elevation	Feet	Binary	Elevation reading, National Geodetic Vertical Datum (NAVD88) of 1988 (MSL).
Horizontal and Vertical Error (RMS)	Feet	Binary	The relative horizontal and vertical positioning error in the projected coordinates based on 95% precision.
Time and Date	Time/Date	Time/Date	The UTC time and date of the DGPS composite reading.

Pipe		Example: Drain pipe, concrete pipe, corrugated metal pipe				
Data Source						
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		PIPE	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1-AB2	EXAMPLE	TEXT	Post Processed Pipe ID - Combo of Upstream and Downstream FCTID
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	Time and date of measurement
UP_ID	x		AB1	EXAMPLE	TEXT	Upstream connecting Feature FCTID
DN_ID	x		AB2	EXAMPLE	TEXT	Downstream connecting Feature FCTID
PIPE_TYPE		x	MENU		TEXT	Material Type
			RCP	Reinforced concrete		
			CMP	Corrugated metal		
			PVC	PVC		
			DIP	Ductile iron		
			CPP	Corrugated Plastic Pipe		
			UNK	Unknown		
PIPE_SHP		x	MENU		TEXT	SHAPE OF PIPE
			CIRCULAR	Circular		
			ELLIPTICAL	Elliptical		
			BOX	Rectangular		
			ARCHED	Arched		
PIPE_DIAM		x	24	EXAMPLE	INTEGER	PIPE DIAMETER IN INCHES
WIDTH		x	32	EXAMPLE	INTEGER	PIPE WIDTH IN INCHES
HEIGHT		x	24	EXAMPLE	INTEGER	PIPE HEIGHT IN INCHES
UP_DEPTH		x	3.95	EXAMPLE	INTEGER	DEPTH FROM RIM TO UPSTREAM INVERT IN FEET
DN_DEPTH		x	3.92	EXAMPLE	INTEGER	DEPTH FROM RIM TO DOWNSTREAM INVERT IN FEET
UP_INV_COND		x	MENU		TEXT	GENERAL CONDITION OF INVERT AT UPSTREAM END OF PIPE
			GOOD	OK		
			CRUSHED	Crushed		
			WORN	Worn		
			CRACKED	Cracked		
			RUSTED	Rusted		
DN_INV_COND		x	MENU		TEXT	GENERAL CONDITION OF INVERT AT DOWNSTREAM END OF PIPE
			GOOD	OK		
			CRUSHED	Crushed		
			WORN	Worn		
			CRACKED	Cracked		
			RUSTED	Rusted		
REMARKS		x			TEXT	COMMENTS
Culvert		Example: Box culvert, bridges, pipes under driveways				
Data Source						
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		CULVERT	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1-AB2	EXAMPLE	TEXT	Post Processed Pipe ID - Combo of Upstream and Downstream FCTID
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	Time and date of measurement
UP_ID	x		AB1	EXAMPLE	TEXT	Upstream connecting Feature FCTID
DN_ID	x		AB2	EXAMPLE	TEXT	Downstream connecting Feature FCTID
PIPE_TYPE		x	MENU		TEXT	Material Type
			RCP	Reinforced concrete		
			CMP	Corrugated metal		
			PVC	PVC		
			DIP	Ductile iron		
			CPP	Corrugated Plastic Pipe		
			UNK	Unknown		
PIPE_SHP		x	MENU		TEXT	SHAPE OF PIPE
			CIRCULAR	Circular		
			ELLIPTICAL	Elliptical		
			BOX	Rectangular		
			ARCHED	Arched		
PIPE_DIAM		x	24	EXAMPLE	INTEGER	PIPE DIAMETER IN INCHES
WIDTH		x	32	EXAMPLE	INTEGER	PIPE WIDTH IN INCHES
HEIGHT		x	24	EXAMPLE	INTEGER	PIPE HEIGHT IN INCHES
REMARKS		x			TEXT	COMMENTS

Inlet						
Data Source						
Example: Curb inlet, Yard inlet, Drop Inlet (may also include manhole access to inlet)						
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		INLET	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	x		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		x	MENU		TEXT	STATUS OF FEATRUE
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
			BURIED	Buried		
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
ACCURACY		x	MENU		TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
INL_TYPE		x	MENU		TEXT	WHAT TYPE OF INLET
			CI	Curb inlet		
			YI	Yard inlet		
			DI	Grate/Drop inlet		
			MDI	Multi Grate/Drop inlet		
			BS	Bar screen		
			SHLDR SLOT	Shoulder Slot Inlet		
			CI&GRATE	Curb Inlet w/ Grate		
INL_NO_THR		x	1	EXAMPLE	INTEGER	NUMBER OF THROATS
DEPTH		x	3.95	EXAMPLE	NUMERIC	TOP OF STRUCTURE TO FLOWLINE
BASIN_W		x	4.0	EXAMPLE	NUMERIC	OVERALL STRUCTURE WIDTH
BASIN_L		x	3.0	EXAMPLE	NUMERIC	OVERALL STRUCTURE LENGTH
CONSTRUCT		x	MENU		TEXT	MATERIAL OF FEATURE
			PRC	Precast		
			CONC	Field Concrete		
			BRK_BLK	Brick/block		
			STN	Stone		
			CORR MET	Corrugated metal		
			PLASTIC	Plastic		
CONC_COND		x	MENU		TEXT	CONDITION OF CONCRETE OF STRUCTURE
			OK	Hairline Creacks/Fractures		
			MAJOR CRACKS	Cracks Greater than 1/4"		
METL_COND		x	MENU		TEXT	CONDITION OF METAL ON STRUCTURE
			OK	OK (GOOD)		
			SEVERE RUST	Severe Rust		
CLEAN		x	MENU		TEXT	AMOUNT OF DEBRIS PRESENT
			CLEAR	0% Debris		
			MAJOR DEBRIS	25-100% Debris		
COM_BMP		x	MENU		TEXT	COMMERCIAL BMP PRESENT (includes oil and trash separators and/or flow weirs)
			NO	No		
			YES	Yes		
FL_FLOAT		x	MENU		TEXT	DEFINE IF ANY DEPOSITS IN FLOW
			NONE	None		
			OIL SHEEN	Oil Sheen		
REMARKS		x			TEXT	COMMENTS
PICTURE		x	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.

SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>Manhole</b>	<b>Data Source</b>		<i>Example: Access to commercial BMP or VDOT manhole that is not part of catch basin or curb inlet and paved over inlets</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>FEATURE</b>	x		<b>MANHOLE</b>	EXAMPLE	<b>TEXT</b>	FEATURE TYPE
<b>FCTID</b>	x		<b>AB1</b>	EXAMPLE	<b>TEXT</b>	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
<b>XCOORD</b>	x		<b>11807002.78</b>	EXAMPLE	<b>NUMERIC</b>	EASTING IN STATE PLANE US SURVEY FOOT
<b>YCOORD</b>	x		<b>7059990.72</b>	EXAMPLE	<b>NUMERIC</b>	NORTHING IN STATE PLANE US SURVEY FOOT
<b>HEIGHT</b>	x		<b>252.1</b>	EXAMPLE	<b>NUMERIC</b>	RTD VERTICAL IN FEET
<b>DATE</b>	x		<b>07/03/2002 1:57:15 P</b>	EXAMPLE	<b>TEXT</b>	DATE AND TIME OF ATTRIBUTION
<b>INVENTORY</b>		x	MENU		<b>TEXT</b>	STATUS OF FEATTRUE
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
			BURIED	Buried		
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
<b>ACCURACY</b>		x	MENU		<b>TEXT</b>	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
<b>DEPTH</b>		x	<b>3.95</b>	EXAMPLE	<b>NUMERIC</b>	TOP OF STRUCTURE TO FLOWLINE
<b>CONSTRUCT</b>		x	MENU		<b>TEXT</b>	MATERIAL OF FEATURE
			PRC	Precast		
			CONC	Field Concrete		
			BRK_BLK	Brick/block		
			STN	Stone		
			CORR MET	Corrugated metal		
			PLASTIC	Plastic		
<b>CONC_COND</b>		x	MENU		<b>TEXT</b>	CONDITION OF CONCRETE OF STRUCTURE
			OK	Hairline Creacks/Fractures		
			MAJOR CRACKS	Cracks Greater than 1/4"		
<b>METL_COND</b>		x	MENU		<b>TEXT</b>	CONDITION OF METAL ON STRUCTURE
			OK	OK (GOOD)		
			SEVERE RUST	Severe Rust		
<b>CLEAN</b>		x	MENU		<b>TEXT</b>	AMOUNT OF DEBRIS PRESENT
			CLEAR	0% Debris		
			MAJOR DEBRIS	25-100% Debris		
<b>COM_BMP</b>		x	MENU		<b>TEXT</b>	COMMERCIAL BMP PRESENT (includes oil and trash separators and/or flow weirs)
			NO	No		
			YES	Yes		
<b>FL_FLOAT</b>		x	MENU		<b>TEXT</b>	DEFINE IF ANY DEPOSITS IN FLOW
			NONE	None		
			OIL SHEEN	Oil Sheen		
<b>REMARKS</b>		x			<b>TEXT</b>	COMMENTS
<b>PICTURE</b>		x	<b>AB1_1.JPG, AB1_2.JPG</b>	EXAMPLE	<b>TEXT</b>	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.

SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>Pipe I/O</b>	<b>Data Source</b>		<i>Pipe Inlet or Pipe Outlet Example: Endwall, Headwall, outfall</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>FEATURE</b>	x		<b>PIPEIO</b>	EXAMPLE	<b>TEXT</b>	FEATURE TYPE
<b>FCTID</b>	x		<b>AB1</b>	EXAMPLE	<b>TEXT</b>	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
<b>XCOORD</b>	x		<b>11807002.78</b>	EXAMPLE	<b>NUMERIC</b>	EASTING IN STATE PLANE US SURVEY FOOT
<b>YCOORD</b>	x		<b>7059990.72</b>	EXAMPLE	<b>NUMERIC</b>	NORTHING IN STATE PLANE US SURVEY FOOT
<b>HEIGHT</b>	x		<b>252.1</b>	EXAMPLE	<b>NUMERIC</b>	RTD VERTICAL IN FEET
<b>DATE</b>	x		<b>07/03/2002 1:57:15 P</b>	EXAMPLE	<b>TEXT</b>	DATE AND TIME OF ATTRIBUTION
<b>INVENTORY</b>		x	MENU		<b>TEXT</b>	STATUS OF FEATRU
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
			BURIED	Buried		
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
<b>ACCURACY</b>		x	MENU		<b>TEXT</b>	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
<b>DEPTH</b>		x	<b>3.95</b>	EXAMPLE	<b>NUMERIC</b>	TOP OF STRUCTURE TO FLOWLINE
<b>CONSTRUCT</b>		x	MENU		<b>TEXT</b>	MATERIAL OF FEATURE
			PRC	Precast		
			CONC	Field Concrete		
			BRK_BLK	Brick/block		
			STN	Stone		
			CORR MET	Corrugated metal		
			PLASTIC	Plastic		
<b>RIP_RAPCND</b>		x	MENU		<b>TEXT</b>	RIP RAP NOT PRESENT OR CONDITION OF
			NOT PRESENT	Not present		
			GOOD	Good		
			NEEDS REPAIR	Needs repair		
<b>CONC_COND</b>		x	MENU		<b>TEXT</b>	CONDITION OF CONCRETE OF STRUCTURE
			OK	Hairline Creacks/Fractures		
			MAJOR CRACKS	Cracks Greater than 1/4"		
			NONE	No Concrete on Structure		
<b>METL_COND</b>		x	MENU		<b>TEXT</b>	CONDITION OF METAL ON STRUCTURE
			OK	OK (GOOD)		
			SEVERE RUST	Severe Rust		
<b>CLEAN</b>		x	MENU		<b>TEXT</b>	AMOUNT OF DEBRIS PRESENT
			CLEAR	0% Debris		
			MAJOR DEBRIS	25-100% Debris		
<b>FL_FLOAT</b>		x	MENU		<b>TEXT</b>	DEFINE IF ANY DEPOSITS IN FLOW
			NONE	None		
			OIL SHEEN	Oil Sheen		
<b>REMARKS</b>		x			<b>TEXT</b>	COMMENTS
<b>PICTURE</b>		x	<b>AB1_1.JPG, AB1_2.JPG</b>	EXAMPLE	<b>TEXT</b>	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.

SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>Culvert</b>	<b>Data Source</b>		<i>Example: Box culvert, bridges, driveways</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>FEATURE</b>	x		CULVTPT	EXAMPLE	TEXT	FEATURE TYPE
<b>FCTID</b>	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
<b>XCOORD</b>	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
<b>YCOORD</b>	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
<b>HEIGHT</b>	x		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
<b>DATE</b>	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
<b>INVENTORY</b>		x	MENU		TEXT	STATUS OF FEATTRUE
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
			BURIED	Buried		
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
<b>ACCURACY</b>		x	MENU		TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
<b>CULV_OPEN</b>		x	MENU		TEXT	NUMBER OF BARRELS OR PIPES
			SINGLE	Single		
			DOUBLE	Double		
			TRIPLE	Triple		
			QUAD	Quadruple		
			FIVE	Five		
			SIX	Six		
<b>CONSTRUCT</b>		x	MENU		TEXT	MATERIAL OF FEATURE
			PRC	Precast		
			CONC	Field Concrete		
			BRK_BLK	Brick/block		
			STN	Stone		
			CORR MET	Corrugated metal		
			PLASTIC	Plastic		
<b>CONC_COND</b>		x	MENU		TEXT	CONDITION OF CONCRETE OF STRUCTURE
			OK	Hairline Creacks/Fractures		
			MAJOR CRACKS	Cracks Greater than 1/4"		
<b>METL_COND</b>		x	MENU		TEXT	CONDITION OF METAL ON STRUCTURE
			OK	OK (GOOD)		
			SEVERE RUST	Severe Rust		
<b>CLEAN</b>		x	MENU		TEXT	AMOUNT OF DEBRIS PRESENT
			CLEAR	0% Debris		
			MAJOR DEBRIS	25-100% Debris		
<b>FL_FLOAT</b>		x	MENU		TEXT	DEFINE IF ANY DEPOSITS IN FLOW
			NONE	None		
			OIL SHEEN	Oil Sheen		
<b>REMARKS</b>		x			TEXT	COMMENTS
<b>PICTURE</b>		x	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.

SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>Pond</b>	<b>Data Source</b>		<i>Example: Retention pond, detention pond, wet pond, dry pond, dam, reservoir</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		POND	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	x		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		x	MENU		TEXT	STATUS OF FEATRUE
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
			BURIED	Buried		
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
ACCURACY		x	MENU		TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
POND_TYPE		x	MENU		TEXT	TYPE OF POND
			DRY	Dry Pond		
			WET	Wet Pond		
			WETLAND	Wetland		
			UNDR GRND DET	Underground Detention Vault (usually with Commercial BMP Manholes)		
POND_NO_IN		x	1	EXAMPLE	INTEGER	NO OF STRUCTURES WITH FLOW INTO POND
PND_NO_OUT		x	1	EXAMPLE	INTEGER	NO OF STRUCTURES WITH FLOW OUT OF THE POND
POND_NO_CN		x	1	EXAMPLE	INTEGER	NUMBER OF CONTROL DEVICES AT POND
CLEAN		x	MENU		TEXT	AMOUNT OF DEBRIS PRESENT
			CLEAR	0% Debris		
			MAJOR DEBRIS	25-100% Debris		
REMARKS		x			TEXT	COMMENTS
PICTURE		x	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.
<b>Control</b>	<b>Data Source</b>		<i>Example: Control structure on retention pond, riser, weir, overflow, spillway, Emergency Overflow</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		CNTRLDE	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	x		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		x	MENU		TEXT	STATUS OF FEATRUE
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
			BURIED	Buried		
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
ACCURACY		x	MENU		TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
REMARKS		x			TEXT	COMMENTS
PICTURE		x	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.

SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
<b>Geodetic Control</b>	<b>Data Source</b>		<i>Example: City, County or NGS Geodetic Control for QA/QC Purposes</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		CHKPT	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	x		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		x	INSPECTED	EXAMPLE	TEXT	ALL GEODETIC CONTROL WILL BE "INSPECTED"
REMARKS		x			TEXT	NAME OF GEODETIC POINT ENTERED IN REMARKS
<b>Blind Connection</b>	<b>Data Source</b>		<i>Example: point were two pipes meet under ground with non feature</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		BLINDCN	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	x		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		x	NOT FOUND	EXAMPLE	TEXT	ALL BLIND CONNECTIONS ARE "NOT FOUND"
REMARKS		x			TEXT	COMMENTS
<b>Node</b>	<b>Data Source</b>		<i>Example: point with unkown origin or destination</i>			
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	x		NODE	EXAMPLE	TEXT	FEATURE TYPE
FCTID	x		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	x		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	x		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	x		0.0	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		x	NOT FOUND	EXAMPLE	TEXT	ALL NODES ARE "NOT FOUND"
REMARKS		x			TEXT	COMMENTS